

**A METHOD AND INSTALLATION FOR
MONITORING MICROSEISMIC EVENTS**

ABSTRACT OF THE DISCLOSURE

A method of monitoring microseismic events in a hydrocarbon production reservoir provided with a well comprising inner production tubing and an outer casing. The method includes providing one or more microseismic sensors in contact with the outer casing of the well, and taking steps to enhance the ability of the microseismic sensors to detect microseismic signals over the background noise generated by fluid flow inside the inner production tubing is enhanced. An installation suitable for carrying out such a method is also disclosed.